

Client's ref. [REDACTED]-CA-0188USXX/01-11-01
File:0636-6563USFinal/Nick/Kevin

What is claimed is:

1 1. A liquid crystal display device comprising:
2 a frame having at least one first connecting member;
3 a back light unit disposed on the frame;
4 a liquid crystal panel disposed on the back light unit;
5 a first cover having at least one second connecting
6 member, wherein the first cover combines with the frame by
7 the engagement between the first connecting member and the
8 second connecting member; and

9 a second cover having at least one third connecting
10 member, wherein the second cover combines with the frame by
11 the engagement between the first connecting member and the
12 third connecting member while the frame, the back light unit
13 and the liquid crystal panel are located between the first
14 cover and the second cover.

1 2. The liquid crystal display device as claimed in claim
2 1, wherein the first connecting member is provided with a
3 first slot and a second slot, and the second connecting member
4 is a first protrusion corresponding to the first slot, and
5 the third connecting member is a second protrusion
6 corresponding to the second slot, whereby the first cover
7 combines with the frame by the engagement between the first
8 slot and the first protrusion, and the second cover combines
9 with the frame by the engagement between the second slot and
10 the second protrusion.

1 3. The liquid crystal display device as claimed in claim
2 2, wherein the first protrusion, engaging with the first slot,
3 is not in contact with the second protrusion engaging with
4 the second slot.

1 4. The liquid crystal display device as claimed in claim

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2 1, wherein the first connecting member is made of plastic.

1 5. The liquid crystal display device as claimed in claim
2 3, wherein the back light unit comprises:

3 a reflector disposed on the frame;
4 a light guide disposed on the reflector;
5 a first diffuser disposed on the light guide;
6 a first prism sheet disposed on the first diffuser;
7 a second prism sheet disposed on the first prism sheet;

8 and

9 a second diffuser disposed on the second prism sheet.

1 6. The liquid crystal display device as claimed in claim
2 4, wherein the back light unit comprises:

3 a reflector disposed on the frame;
4 a light guide disposed on the reflector;
5 a first diffuser disposed on the light guide;
6 a first prism sheet disposed on the first diffuser;
7 a second prism sheet disposed on the first prism sheet;

8 and

9 a second diffuser disposed on the second prism sheet.

1 7. A notebook computer comprising a body and a liquid
2 crystal display device rotatably disposed on the body,
3 wherein the liquid crystal display device comprises:

4 a frame having at least one first connecting member;
5 a back light unit disposed on the frame;
6 a liquid crystal panel disposed on the back light unit;
7 a first cover having at least one second connecting
8 member, wherein the first cover combines with the frame by
9 the engagement between the first connecting member and the
second connecting member; and

11 a second cover having at least one third connecting

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12 member, wherein the second cover combines with the frame by
13 the engagement between the first connecting member and the
14 third connecting member while the frame, the back light unit
15 and the liquid crystal panel are located between the first
16 cover and the second cover.

1 8. The notebook computer as claimed in claim 7, wherein
2 the first connecting member is provided with a first slot and
3 a second slot, and the second connecting member is a first
4 protrusion corresponding to the first slot, and the third
5 connecting member is a second protrusion corresponding to the
6 second slot, whereby the first cover combines with the frame
7 by the engagement between the first slot and the first
8 protrusion, and the second cover combines with the frame by
9 the engagement between the second slot and the second
10 protrusion.

1 9. The notebook computer as claimed in claim 8, wherein
2 the first protrusion, engaging with the first slot, is not
3 in contact with the second protrusion engaging with the second
4 slot.

1 10. The notebook computer as claimed in claim 7, wherein
2 the first connecting member is made of plastic.

1 11. The notebook computer as claimed in claim 9, wherein
2 the back light unit comprises:
3 a reflector disposed on the frame;
4 a light guide disposed on the reflector;
5 a first diffuser disposed on the light guide;
6 a first prism sheet disposed on the first diffuser;
7 a second prism sheet disposed on the first prism sheet;
8 and

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9 a second diffuser disposed on the second prism sheet.

1 12. The notebook computer as claimed in claim 10, wherein
2 the back light unit comprises:

3 a reflector disposed on the frame;

4 a light guide disposed on the reflector;

5 a first diffuser disposed on the light guide;

6 a first prism sheet disposed on the first diffuser;

7 a second prism sheet disposed on the first prism sheet;

8 and

9 a second diffuser disposed on the second prism sheet.